

Claims

1. A construction machine comprising: a lower traveling structure; a revolving superstructure frame mounted on the lower traveling structure through a swivel so as to be freely turnable; a work implement mounted on the revolving superstructure frame, being located at a substantially cross-wise mid position of a front part of the revolving superstructure frame; a counterweight mounted on the revolving superstructure frame, being located at a rear part of the revolving superstructure frame; and an operator's cab mounted on the revolving superstructure frame, being located at either the right or left side of the front part of the revolving superstructure frame,

wherein at least one of the revolving superstructure frame, the work implement and the counterweight is provided with a projecting member which projects outward, and

wherein an operator's cab space is kept in an inner position of a vehicle body compared to a virtual plane, the virtual plane being defined by the projecting member disposed on at least one of

the revolving superstructure frame, the work implement and the counterweight and positions where no projecting members are provided.

2. The construction machine according to claim 1,

wherein the projecting member disposed on the counterweight projects upward and is located on an upper part of the counter weight which upper part is opposed to the rear face of the operator's cab.

3. A construction machine comprising: a lower traveling structure; a revolving superstructure frame mounted on the lower traveling structure through a swivel so as to be freely turnable; a work implement mounted on the revolving superstructure frame, being located at a substantially cross-wise mid position of a front part of the revolving superstructure frame; a counterweight mounted on the revolving superstructure frame, being located at a rear part of the revolving superstructure frame; and an operator's cab mounted on the revolving superstructure frame, being located at either the right or left side of the front part of the

revolving superstructure frame,

wherein an end of the revolving superstructure frame which end is located on the side of the operator's cab and an upper part of the counterweight which upper part is opposed to the rear face of the operator's cab are each provided with a projecting member that projects upward, and

wherein a virtual plane does not intersect a space of the operator's cab in anywhere, the virtual plane being defined by the projecting member disposed on the revolving superstructure frame, the projecting member disposed on the counterweight and the work implement or a projecting member attached to the work implement so as to project upward or towards the side of the operator's cab.

4. A projecting member for a construction machine which has a lower traveling structure; a revolving superstructure frame mounted on the lower traveling structure through a swivel so as to be freely turnable; a work implement mounted on the revolving superstructure frame, being located at a substantially cross-wise mid position

of a front part of the revolving superstructure frame; a counterweight mounted on the revolving superstructure frame, being located at a rear part of the revolving superstructure frame; and an operator's cab disposed on the revolving superstructure frame, being located at either the right or left side of the front part of the revolving superstructure frame,

said projecting member being attached to at least one of the revolving superstructure frame, the work implement and the counterweight such that a leading end of the projecting member projects outward,

an operator's cab space being kept in an inner position of a vehicle body compared to a virtual plane, the virtual plane being defined by said projecting member attached to at least one of the revolving superstructure frame, the work implement and the counterweight and positions where no projecting members are provided, and

said projecting member attached to at least one of the revolving superstructure frame, the work implement and the counterweight being made of a welded structure, cast part or forged part

and having a base end portion attached to at least any one of the revolving superstructure frame, the work implement and the counterweight.